

RAW SEQUENCE LISTING

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Application Serial Number: 10/732,859B
Source: 1FW0
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RAW SEQUENCE LISTING

DATE: 12/06/2006

PATENT APPLICATION: US/10/732,859B

TIME: 08:45:54

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Output Set: N:\CRF4\12062006\J732859B.raw

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3 <110> APPLICANT: TURCK, JUTTA
4   ARCHER, JOHN
6 <120> TITLE OF INVENTION: CONTROL OF GENE EXPRESSION IN EUKARYOTES
8 <130> FILE REFERENCE: 13101/48202
10 <140> CURRENT APPLICATION NUMBER: 10/732,859B
11 <141> CURRENT FILING DATE: 2003-12-09
13 <150> PRIOR APPLICATION NUMBER: 09/469,211
14 <151> PRIOR FILING DATE: 1999-12-22
16 <150> PRIOR APPLICATION NUMBER: 9828660.2
17 <151> PRIOR FILING DATE: 1998-12-24
19 <160> NUMBER OF SEQ ID NOS: 19
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 7599
25 <212> TYPE: DNA
26 <213> ORGANISM: Rhodococcus sp.
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30 <222> LOCATION: (295)..(1035)
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33 <221> NAME/KEY: CDS
34 <222> LOCATION: (1261)..(2805)
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38 <222> LOCATION: (2807)..(4720)
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49 gttaaccccg aggttgccca cgatgccccg gccatcaggt ctggaatgct agcgttccag      180
51 acgaaggtaa cccacagtga ctacaccac aagtactaga atgcaagctg ttgcggtgag      240
53 cgccgcggca taagggggag ccatgtccgg gacgccgacg gaaagcctga ctcg atg      297
54                                     Met
55                                     1
57 acc acc acc gac acc ggc ccc aag ccg ggc agt gag gcc gcc gcc ctg      345
58 Thr Thr Thr Asp Thr Gly Pro Lys Pro Gly Ser Glu Ala Ala Ala Leu
59      5              10              15
61 ctc gcc aat gtc cgc acc tcg ggg gcg cgg ctg tcc tcc gcg ttg tac      393
62 Leu Ala Asn Val Arg Thr Ser Gly Ala Arg Leu Ser Ser Ala Leu Tyr
63      20              25              30
65 gac att ctg aag aac cgg ctg ctc gaa ggg cgc tat gcg gca ggc gag      441

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66 Asp Ile Leu Lys Asn Arg Leu Leu Glu Gly Arg Tyr Ala Ala Gly Glu
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70 Lys Ile Val Val Glu Ser Ile Arg Gln Glu Phe Gly Val Ser Lys Gln
71 50              55              60              65
73 ccc gtc atg gac gct ctg cgc cgc ctg tcc agc gac aag ctg gtc cac      537
74 Pro Val Met Asp Ala Leu Arg Arg Leu Ser Ser Asp Lys Leu Val His
75      70              75              80
77 atc gtt ccc cag gtc ggt tgc gag gtc gtc tcc tac gcc ccg cgc gaa      585
78 Ile Val Pro Gln Val Gly Cys Glu Val Val Ser Tyr Ala Pro Arg Glu
79      85              90              95
81 gtg gaa gac ttc tac acc ctg ttc ggc ggt ttc gaa ggg acc atc gcc      633
82 Val Glu Asp Phe Tyr Thr Leu Phe Gly Gly Phe Glu Gly Thr Ile Ala
83      100              105              110
85 gcg gta gcg gcc tcc cgg cgg acc gag gcc cag ttg ctg gag ctg gac      681
86 Ala Val Ala Ala Ser Arg Arg Thr Glu Ala Gln Leu Leu Glu Leu Asp
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89 ctg atc tcg gcg cgg gtc gac gcc ctg atc acc tcc cac gac ccg gtg      729
90 Leu Ile Ser Ala Arg Val Asp Ala Leu Ile Thr Ser His Asp Pro Val
91 130              135              140              145
93 gtc cgc gcc cgc ggg tac cgc gtg cac aac cgg gag ttc cat gcg gcc      777
94 Val Arg Ala Arg Gly Tyr Arg Val His Asn Arg Glu Phe His Ala Ala
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97 atc cac gcg atg gcg cac tcg cgg atc atg gag gag acc agc cag cga      825
98 Ile His Ala Met Ala His Ser Arg Ile Met Glu Glu Thr Ser Gln Arg
99      165              170              175
101 atg tgg gat ctg tcg gac ttc ttg atc aac acc acc ggc atc acc aac      873
102 Met Trp Asp Leu Ser Asp Phe Leu Ile Asn Thr Thr Gly Ile Thr Asn
103      180              185              190
105 ccg ctc tcg agc gca ctg ccc gac cgg cag cat gac cac cac gaa atc      921
106 Pro Leu Ser Ser Ala Leu Pro Asp Arg Gln His Asp His His Glu Ile
107      195              200              205
109 acc gag gcc atc cgc aac cgt gac gca gct gcc gcc cgc gag gcc atg      969
110 Thr Glu Ala Ile Arg Asn Arg Asp Ala Ala Ala Ala Arg Glu Ala Met
111 210              215              220              225
113 gaa cgc cac atc gtc ggc acc atc gca gta atc cgc gac gaa tcc aac      1017
114 Glu Arg His Ile Val Gly Thr Ile Ala Val Ile Arg Asp Glu Ser Asn
115      230              235              240
117 gcc cag ctg ccg agc tag accccgatac ccggggccatc gaccggctcc      1065
118 Ala Gln Leu Pro Ser
119      245
121 gctatcgcgc cacctacgcc gagggggggac tctcggccgt agcgctgcag acgatccacc      1125
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133	260	265	270	
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137	275 280 285 290			
139	ccg acc gtg agc acc aca cct acc tcc ccg acg aag acc tca ccg ctg	1440		
140	Pro Thr Val Ser Thr Thr Pro Thr Ser Pro Thr Lys Thr Ser Pro Leu			
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152	Phe Pro Asp Val Ser Ser Ala Ile Gly Ile Leu Leu Ser Phe Ala Thr			
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155	ttc agc gtt ggg ttc ctc gcc cgc ccg ctg ggt ggc ata gtg ttc ggg	1632		
156	Phe Ser Val Gly Phe Leu Ala Arg Pro Leu Gly Gly Ile Val Phe Gly			
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159	cac ttc ggt gac cgg gtc ggc cgc aag cag atg ctg gtg atc tcc ctg	1680		
160	His Phe Gly Asp Arg Val Gly Arg Lys Gln Met Leu Val Ile Ser Leu			
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163	gtc gga atg ggc tcg gcc acc gta ctg atg gga ttg ttg ccc ggt tac	1728		
164	Val Gly Met Gly Ser Ala Thr Val Leu Met Gly Leu Leu Pro Gly Tyr			
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167	gcc caa atc ggg atc gcc gcc ccc atc ctg ctg acc ctg ctg cgc ctg	1776		
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172	Val Gln Gly Phe Ala Val Gly Gly Glu Trp Gly Gly Ala Thr Leu Met			
173	420 425 430			
175	gcc gtc gag cac gcc ccc acc gcg aag aag ggc ttt ttc gga tcc ttc	1872		
176	Ala Val Glu His Ala Pro Thr Ala Lys Lys Gly Phe Phe Gly Ser Phe			
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188	Arg Leu Pro Phe Leu Phe Ser Ala Val Leu Ile Val Ile Gly Leu Phe			
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191	att cgc ctg tcc ctg gcc gaa agc ccc gac ttc gcc gag gtg aag gca	2064		
192	Ile Arg Leu Ser Leu Ala Glu Ser Pro Asp Phe Ala Glu Val Lys Ala			
193	500 505 510			
195	cag agc gcc gtg gtg cga atg ccg atc gcc gaa gcg ttc cgc aag cac	2112		
196	Gln Ser Ala Val Val Arg Met Pro Ile Ala Glu Ala Phe Arg Lys His			
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199	tgg	aag	gaa	att	ctc	ctc	atc	gcg	ggc	acc	tac	ctg	tcc	caa	gga	gtg	2160	
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209			565					570					575					
211	atc	gtc	gcc	gtc	ctc	ctc	tac	ctc	gtg	ttc	ggc	gct	ctg	tcc	gac	act	2304	
212	Ile	Val	Ala	Val	Leu	Leu	Tyr	Leu	Val	Phe	Gly	Ala	Leu	Ser	Asp	Thr		
213		580					585					590						
215	ttc	ggc	cgc	aag	acc	atg	tac	ctg	ctc	ggc	gcc	gcc	gcg	atg	ggt	gtg	2352	
216	Phe	Gly	Arg	Lys	Thr	Met	Tyr	Leu	Leu	Gly	Ala	Ala	Ala	Met	Gly	Val		
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219	gtg	atc	gcc	ccc	gcc	ttc	gca	ctg	atc	aac	acc	ggc	aac	ccg	tgg	ctg	2400	
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221				615					620					625				
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227	gcc	ggc	gtg	aca	ggc	tcc	ctg	ttc	acg	atg	gtc	ttc	gac	gcg	gac	gtg	2496	
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235	tcc	gcg	ttc	gcc	ccg	acg	atc	gcg	acc	gcc	ttg	tac	gcc	tcc	acc	aac	2592	
236	Ser	Ala	Phe	Ala	Pro	Thr	Ile	Ala	Thr	Ala	Leu	Tyr	Ala	Ser	Thr	Asn		
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239	acc	agc	aac	tcg	atc	gtg	acc	tac	ctg	ctg	atc	gtc	tcg	gcc	atc	tcg	2640	
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241				695					700					705				
243	atc	gtc	tcg	gtg	atc	ctg	ctg	ccc	ggc	ggc	tgg	ggg	cgc	aag	ggc	gct	2688	
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245				710					715					720				
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248	Ala	Ser	Gln	Leu	Thr	Arg	Asp	Gln	Ala	Thr	Ser	Thr	Pro	Lys	Met	Pro		
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252	Asp	Thr	Glu	Thr	Phe	Ser	Thr	Arg	Thr	Val	Pro	Asp	Thr	Ala	Ala	Ser		
253		740					745					750						
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257	755				760							765						
259	cgc	acc	tcc	tac	gac	acc	gac	gtc	gtg	atc	gtc	ggc	ctc	ggc	ccc	gcc	2881	
260	Arg	Thr	Ser	Tyr	Asp	Thr	Asp	Val	Val	Ile	Val	Gly	Leu	Gly	Pro	Ala		
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271	acc	aac	cag	cgc	gcc	gtc	gaa	gtg	ctg	cgt	gac	ctg	ggc	gtc	gaa	gac	3025
272	Thr	Asn	Gln	Arg	Ala	Val	Glu	Val	Leu	Arg	Asp	Leu	Gly	Val	Glu	Asp	
273			820					825					830				
275	gag	gcg	cgc	aac	tac	gcc	acc	ccg	tgg	gac	cag	atg	ggc	gac	acg	ctg	3073
276	Glu	Ala	Arg	Asn	Tyr	Ala	Thr	Pro	Trp	Asp	Gln	Met	Gly	Asp	Thr	Leu	
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279	ttc	acc	acg	agc	ctg	gcc	ggc	gag	gag	atc	gtc	cgg	atg	cag	acc	tgg	3121
280	Phe	Thr	Thr	Ser	Leu	Ala	Gly	Glu	Glu	Ile	Val	Arg	Met	Gln	Thr	Trp	
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313			980				985					990					
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